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List of Preparers and Reviewers

The Draft EIS was prepared by ENSR, a third-party contractor, under the direction of the BLM. Representatives from the cooperating agencies contributed to and participated in the NEPA process. Technical input regarding the proposed project was provided by Overland Pass and their representatives. The following sections present the names of individuals and their area or areas of responsibility.

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Glossary

alluvial	material composed of riverbed or delta material.
ancillary facilities	facilities associated with the pipeline system, including compressor stations, valves, and metering stations.
aquifer	a layer of underground sand, gravel, or porous rock in which water collects; a source of groundwater.
barrel	42 gallons of natural gas liquid.
block valve	valve that can block the flow of natural gas liquids in both directions within the pipeline when closed.
cathodic protection	a method to reduce external corrosion by placing a small electrical charge on the steel pipe.
consumptive use	that part of water withdrawn that is evaporated, transpired, incorporated into products or crops, consumed by humans or livestock, or otherwise removed from the immediate water environment. Also referred to as water consumed (USGS 1996).
corrosion	an electrochemical process that occurs when steel is exposed to an electrolyte, such as soil or water. Corrosion can occur along the internal or external surfaces of the pipe. External corrosion is reduced by cathodic protection and pipeline coatings. Corrosion is monitored by internal inspection tools (internal and external corrosion) and corrosion coupons (internal corrosion).
depth of cover	in new construction areas, the burial depth typically would be 36 inches from the top of the pipe to the natural grade. No depth of cover is specified for existing pipe under OPS regulations.
easement	a legal instrument, usually negotiated with the landowner, that is used to convey a ROW to the pipeline company. The easement gives the pipeline company the right to operate and maintain its pipeline in the permanent ROW and, in return, compensates the landowner for the use of the land.
eminent domain	the right of the government to take private property for public use after providing just compensation by virtue of the sovereign power over all lands within its jurisdiction.

fugitive dust	a non-point source of air pollution, such as from unpaved roads, agricultural croplands, and construction sites.
High Consequence Areas (HCAs)	OPS-defined areas subject to the Integrity Management Rule. HCAs include high-density population areas, waters where commercial navigation occurs, and areas that are unusually sensitive to environmental damage.
horizontal directional drilling	technology used for vertical drilling has been modified for the horizontal installation of pipelines beneath major obstacles, such as rivers, railroads, and highways.
hydrostatic testing	pressure testing of a pipeline to test its structural integrity. Typically the line is tested to at least 125 percent of the MAOP and the pressure is held for 8 hours. Hydrostatic testing is a destructive test to evaluate the integrity of the pipe. A pipe that passes this test is considered safe to operate at pressures less than or equal to the MAOP.
Impressed current cathodic protection	cathodic protection that uses an external power source to place a small electrical charge on the steel pipe to prevent external corrosion.
Integrity Management Rule	as defined in 49 CFR 192, this OPS rule increases requirements for inspection, enhanced damage protection, improved emergency response, and other measures to prevent and mitigate pipeline leaks in HCAs.
internal inspection tool	a “smart pig”; tools that assess the pipeline’s integrity. At this time, there are three primary types of internal inspection tools: caliper pigs, magnetic leak flux pigs, and ultrasonic pigs.
kV	kilovolts; 1,000 electrical volts.
L_{dn}	Day-night (average sound) level.
liquefaction	The process by which water-saturated sediments lose strength and may fail during strong earthquake induced ground shaking. Liquefaction can result in the loss of ground bearing capacity or lateral spreading, both of which could potentially damage pipelines and ancillary facilities. Soil liquefaction hazards are associated with unconsolidated alluvial soils with a high water table.

Maximum Operating Pressure (MOP)

a rating indicating the maximum pressure at which a pipeline or segment of a pipeline may be operated under the DOT regulations in normal conditions (40 CFR § 195.406 MOP). The MOP is defined as 80 percent of the hydrostatic test pressure (also called the pressure rating).

meters

devices that measure the amount of natural gas transported and delivered.

one-call systems

a system by which operators and other underground utility operators have joined together in state-level one-call notification programs. The program acts as a clearinghouse of information to excavators, and marks the location of underground utilities prior to excavation.

pig

a plug designed to be pushed along the inside of a pipeline. Pigs can be used to separate materials, clean, or inspect the pipeline's surface.

pigging facility

a short section of pipe controlled by valves that interconnect with the main pipeline to launch and receive cleaning and inspection tools ("pigs") that travel inside the pipeline.

Proper Functioning Condition (PFC)

Riparian-wetland areas are functioning properly when adequate vegetation, landform, or large woody debris is present to dissipate stream energy associated with high waterflows, thereby reducing erosion and improving water quality; filter sediment, capture bedload, and aid floodplain development; improve flood-water retention and ground-water recharge; develop root masses that stabilize streambanks against cutting action; develop diverse ponding and channel characteristics to provide the habitat and the water depth, duration, and temperature necessary for fish production, waterfowl breeding, and other uses; and support greater biodiversity. The functioning condition of riparian-wetland areas is a result of interaction among geology, soil, water, and vegetation.

pump station

ancillary facility where pumps are used to maintain pipeline pressure required to move natural gas liquids through the pipeline.

right-of-way (ROW)

a legal right of passage over another's property. Typically, the ROW would consist of a 50-foot-wide permanent ROW and, during construction, an additional 50-foot construction ROW.

riparian areas

these areas form of wetland transition between permanently saturated wetlands and upland areas. These areas exhibit vegetation or physical characteristics reflective of permanent surface or subsurface water influence. Lands along, adjacent to, or contiguous with perennially and intermittently flowing rivers and streams, glacial potholes, and the shores of lakes and reservoirs with stable water levels are typical riparian areas. Excluded are such sites as ephemeral streams or washes that do not exhibit the presence of vegetation dependent upon free water in the soil.

SCADA

Supervisory Control and Data Acquisition; computerized system that monitors and analyses the pressure within the pipeline every 3 to 5 seconds, notifying operators of any operating abnormalities.

seasonal constraints

time periods when construction may be restricted, such as constraint periods associated with breeding birds.

smart pig

An internal inspection tool that passes inside a pipe and contains electronic devices capable of measuring pipe integrity.

Specified Minimum Yield Strength (SMYS)

a measure of pipeline strength.

temporary workspace

areas located outside the construction ROW where additional space is required for construction.

trona

natural sodium bicarbonate.

well head protection areas

areas where land uses are managed to protect and maintain the quality of groundwater.

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